

Converting Colors

$Y_{xy}(38.5058, 0.2788, 0.4992)$

Have a look what the booklet for
Yxy(38.5058, 0.2788, 0.4992)
contains.

Yxy(38.4999, 0.2787, 0.4992)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.4999, 0.2787, 0.4992)

Conversions

Conversions Part 1

Format	Color
Hex	26BF5F
RGB	38, 191, 95
RGB Percent	15%, 75%, 37%
CMY	0.8513, 0.2510, 0.6274
CMYK	0.80, 0.00, 0.50, 0.25
HSL	142°, 67%, 45%
HSV	142°, 80%, 75%
XYZ	21.4942, 38.4999, 17.1291
YIQ	134.3090, -60.3720, -62.2920

Conversions

Conversions Part 2

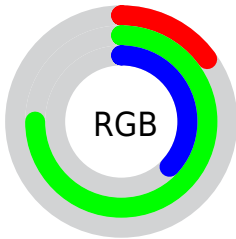
Format	Color
RYB	38, 149, 191
Decimal	2539359
CIELab	68.39, -59.11, 37.53
CIELCh	68, 70.021, 147.590
Yxy	38.4999, 0.2787, 0.4992
Android (android.graphics.Color)	4280729439 (0xFF26BF5F)
YUV	134.3090, -19.3793, -84.4630
Hunter-Lab	62.0483, -46.7501, 27.0662

Details

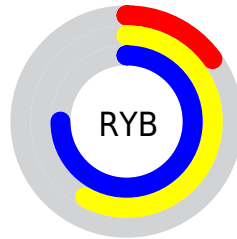
The Yxy color **38.4999, 0.2787, 0.4992** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **14.1774, 0.4104, 0.2198**, and the grayscale version is **24.0426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1729, 0.2883, 0.4629**, and **17.7978, 0.2854, 0.5475** is the 20% darker color. If you saturate the color by 10%, you get **38.0261, 0.2805, 0.5213**, and if you desaturate by 10%, it is **39.1963, 0.2787, 0.4755**.

Distribution



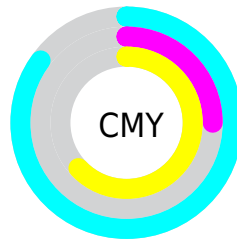
- Red (15%)
- Green (75%)
- Blue (37%)



- Red (15%)
- Yellow (58%)
- Blue (75%)



- Cyan (80%)
- Magenta (0%)
- Yellow (50%)
- Black (25%)





- Cyan (85%)
- Magenta (25%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4999, 0.2787, 0.4992 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.4999, 0.2787, 0.4992 by changing the saturation by 10% instead.


 38.4999, 0.2787,
0.4992


 38.4999, 0.2787,
0.4992

339.7596, 0.3006,
0.4043

 26.3709, 0.2713,
0.5260


 72.8737, 0.2880,
0.4624


 17.1013, 0.2604,
0.5621


 95.8873, 0.2911,
0.4492

 10.3068, 0.2435,
0.6126


 123.2979, 0.2935,
0.4384

 5.6028, 0.2154,
0.6868

 155.4899, 0.2955,
0.4294

 2.6051, 0.1588,
0.8412

 192.8477, 0.2971,
0.4217

 0.9292, 0.0000,
1.0000

235.7556, 0.2984,

 0.0000, 0.0000,

0.4151

0.0000

284.5981, 0.2996,
0.4093

■ 38.4999, 0.2787,
0.4992

■ 38.4999, 0.2787,
0.4992

■ 38.0261, 0.2805,
0.5213

■ 39.1963, 0.2787,
0.4755

■ 37.7222, 0.2836,
0.5409


■ 40.1372, 0.2805,
0.4512

■ 41.3467, 0.2838,
0.4271


■ 42.8446, 0.2883,
0.4041

■ 44.6491, 0.2937,
0.3826

 46.7764, 0.2998,
0.3629

 49.2420, 0.3061,
0.3451

 52.0600, 0.3126,
0.3292

 55.2438, 0.3191,
0.3152

Harmonies

Analogous

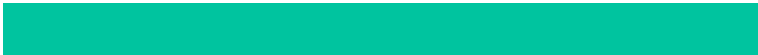
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4999, 0.3734, 0.5199



38.4999, 0.2787, 0.4992



38.4999, 0.1983, 0.3961

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.4999, 0.2787, 0.4992



38.4999, 0.1698, 0.1830



38.4999, 0.5023, 0.3294

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.4999, 0.2787, 0.4992



14.1774, 0.4104, 0.2198

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.4999, 0.4277, 0.2654



38.4999, 0.2787, 0.4992



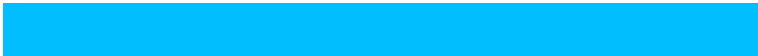
38.4999, 0.2279, 0.1856

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.4999, 0.2787, 0.4992



38.4999, 0.1454, 0.2121



38.4999, 0.3204, 0.2146



38.4999, 0.5096, 0.3994

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.4999, 0.2787, 0.4992



38.4999, 0.1641, 0.3171



38.4999, 0.3204, 0.2146



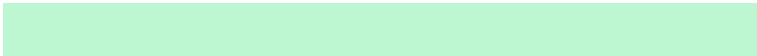
38.4999, 0.4840, 0.3072

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.5015, 0.2787, 0.4992



82.0849, 0.2972, 0.3710



42.5443, 0.3619, 0.5317



17.7282, 0.2950, 0.3782



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.5015, 0.2787, 0.4992



67.6902, 0.2829, 0.5361



40.5997, 0.2386, 0.3622



10.7069, 0.3067, 0.3437



24.8033, 0.2829, 0.5384



0.9843, 0.2689, 0.4879

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14.1774, 0.4104, 0.2198



22.5484, 0.4392, 0.2209



12.7676, 0.5595, 0.3112



9.6343, 0.3193, 0.3147



8.1827, 0.4413, 0.2205



0.3328, 0.4054, 0.2007

Previews

White Background



This preview shows how the Yxy color 38.4999, 0.2787, 0.4992 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.4999, 0.2787, 0.4992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4999, 0.2787, 0.4992

Background



This preview shows how black text looks on a background with the Yxy color 38.4999, 0.2787, 0.4992.



This preview shows how white text looks on a background with the Yxy color 38.4999, 0.2787, 0.4992.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.4999, 0.2787, 0.4992

Protanopia

37.5272, 0.3994, 0.4354

Deuteranopia

37.7124, 0.4083, 0.4000



Tritanopia

38.3320, 0.2358, 0.3058

Trichromacy



Original Color

38.4999, 0.2787, 0.4992



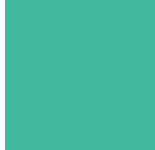
Protanomaly

35.7392, 0.3402, 0.4650



Deuteranomaly

35.3323, 0.3440, 0.4394



Tritanomaly

37.9080, 0.2501, 0.3707

Monochromacy



Original Color

38.4999, 0.2787, 0.4992



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.4514, 0.2906, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4999, 0.2787, 0.4992 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(38, 191, 95)` looks like.

```
.text, #text, p{  
    color:rgb(38, 191, 95)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(38, 191, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 191, 95) }
```

Border

The CSS property to change the border of an element to Yxy 38.4999, 0.2787, 0.4992 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(38, 191, 95) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(38, 191, 95) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(38, 191, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 191, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 191, 95);  
box-shadow:4px 4px 4px 4px rgb(38, 191,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4999, 0.2787, 0.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 191, 95) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(38, 191,  
95) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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